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United States Department of Agriculture,

BUREAU OF ANIMAL INDUSTRY.

A. D. MELVIN, CHIEF OF BUREAU.

SERVICE AND REGULATORY ANNOUNCEMENTS.

JULY, 1916.

[This publication is issued monthly for the dissemination of information, instructions, rulings, etc., concerning the work of the Bureau of Animal Industry. Free distribution is limited to persons in the service of the bureau, establishments at which the Federal meat inspection is conducted, public officers whose duties make it desirable for them to have such information, and journals especially concerned. Others desiring copies may obtain them from the Superintendent of Documents, Government Printing Office, Washington, D. C., at 5 cents each, or 50 cents a year. A supply will be sent to each official in charge of a station or branch of the bureau service, who should promptly distribute copies to members of his force. A file should be kept at each station for reference.]

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NOTICE REGARDING MEAT INSPECTION.

PASTEURIZATION OF DAIRY PRODUCTS USED IN OLEOMARGARIN.

Milk and cream used in the preparation of oleomargarin should be pasteurized and the butter used for this purpose should be made only from pasteurized products. The owners and operators of official establishments where oleomargarin is prepared should take immediate steps to insure the pasteurization of all milk and cream used in preparing oleomargarin, and after the present year all butter used in oleomargarin shall be made from pasteurized products. This advance notice respecting butter is given in order that contracts for purchases may be made accordingly.

ANIMALS SLAUGHTERED UNDER FEDERAL MEAT INSPECTION, JUNE, 1916.

| Station. | Cattle. | Calves. | Sheep. | Goats. | Swine. |
|----------------------------------|-------------|-------------|--------------|----------|--------------|
| Chicago..... | 146, 439 | 44, 315 | 300, 917 | 401 | 559, 716 |
| Fort Worth..... | 41, 805 | 14, 870 | 18, 900 | 2, 354 | 65, 732 |
| Kansas City..... | 94, 074 | 7, 909 | 83, 841 | 7, 947 | 278, 294 |
| National Stock Yards..... | 48, 119 | 6, 351 | 83, 960 | 276 | 155, 571 |
| Omaha..... | 57, 787 | 2, 067 | 109, 532 | 103 | 215, 578 |
| Sioux City..... | 13, 978 | 1, 591 | 7, 524 | ..... | 99, 796 |
| South St. Joseph..... | 26, 054 | 1, 503 | 40, 106 | 172 | 180, 926 |
| All other establishments..... | 219, 953 | 149, 874 | 345, 044 | 1, 270 | 1, 606, 956 |
| Total—June, 1916..... | 648, 209 | 228, 480 | 989, 824 | 12, 523 | 3, 162, 569 |
| June, 1915..... | 573, 851 | 197, 462 | 882, 662 | 6, 663 | 3, 245, 822 |
| Fiscal year ending June, 1916... | 7, 404, 285 | 2, 048, 022 | 11, 985, 928 | 179, 636 | 40, 482, 769 |
| Fiscal year ending June, 1915... | 6, 964, 502 | 1, 741, 902 | 12, 902, 089 | 165, 533 | 36, 247, 852 |

IMPORTS OF FOOD ANIMALS AND OF MEATS AND MEAT FOOD PRODUCTS.

The statements following show the imports of food animals and of meats and meat food products inspected by the Bureau of Animal Industry during June, 1916, with figures for other periods for comparison.

Imports of food animals.

| Country of export. | Cattle. | Swine. | Sheep. | Goats. |
|------------------------------------|---------|---------|---------|---------|
| Mexico..... | 4,327 | 99 | 6,076 | 24,543 |
| Canada..... | 9,561 | 21 | 93 | 1 |
| Great Britain..... | 167 | ..... | 100 | ..... |
| Total—June, 1916..... | 14,055 | 120 | 6,269 | 24,544 |
| June, 1915..... | 46,374 | 2,275 | 2,290 | 5,640 |
| Fiscal year ending June, 1916..... | 448,040 | 4,788 | 213,666 | 101,797 |
| Fiscal year ending June, 1915..... | 545,205 | 175,236 | 153,383 | 59,819 |

Imports of meats and meat food products.

| Country of export. | Fresh and refrigerated. | | Canned and cured. | Other products. | Total weight. |
|------------------------------------|-------------------------|----------------|-------------------|-----------------|----------------|
| | Beef. | Other. | | | |
| | <i>Pounds.</i> | <i>Pounds.</i> | <i>Pounds.</i> | <i>Pounds.</i> | <i>Pounds.</i> |
| Argentina..... | ..... | ..... | 193,044 | 2,540 | 195,584 |
| Australia..... | ..... | ..... | ..... | 11,200 | 11,200 |
| Brazil..... | 1,306,912 | ..... | ..... | ..... | 1,306,912 |
| Canada..... | 499,841 | 88,313 | 50,177 | 28 | 638,359 |
| Uruguay..... | ..... | ..... | 6,574 | ..... | 6,574 |
| Other countries..... | 3,353 | ..... | 11,801 | 5,494 | 20,648 |
| Total—June, 1916..... | 1,810,106 | 88,313 | 261,596 | 19,262 | 2,179,277 |
| June, 1915..... | 15,561,070 | 3,482,650 | 264,641 | 39,043 | 19,347,404 |
| Fiscal year ending June, 1916..... | 82,884,003 | 23,324,276 | 2,743,278 | 1,562,919 | 110,514,476 |
| Fiscal year ending June, 1915..... | 188,615,553 | 28,035,136 | 23,191,058 | 5,181,690 | 245,023,337 |

Condemned in June, 1916: Beef, 190,668 pounds; veal, 107 pounds; mutton, 10 pounds; pork, 500 pounds; total, 191,285 pounds. Refused entry: Pork, 266 pounds.

LICENSES FOR VETERINARY BIOLOGICAL PRODUCTS.

Additional licenses for the manufacture of veterinary biological products have been issued as follows for the remainder of the calendar year 1916, under the act of Congress of March 4, 1913 (37 Stat., 832), and the regulations made thereunder (B. A. I. Order 196).

Licenses for the manufacture of veterinary biological products.

| License No. | Date of issue. | Name and address. | Products. |
|-------------|----------------|--|---|
| 96 | July 5, 1916 | The Elmore Live Stock Co. (Serum Department), P. O. Box 43, Peoria, Ill. | Hog cholera virus. ¹ |
| 41 | July 10, 1916 | Kinsley Laboratories, 1426 Lydia Avenue, Kansas City, Mo. | Pyæmic arthritis bacterin. ¹ |
| 9 | July 21, 1916 | Lederle Antitoxin Laboratories, Pearl River, N. Y. | Antianthrax serum and anthrax spore vaccine. ¹ |
| 4 |do..... | The Abbott Laboratories, 4753 Ravenswood Avenue, Chicago, Ill. | Streptococcus mastitis bacterin. |
| 107 | ..... | The Jensen-Salsbery Laboratory, Kansas City, Kans. ² | |

¹ In addition to products covered by license previously issued.

² To cover plant at 1320 Main Street.

CANCELLATIONS.

License No. 88, issued to Farmers' Serum Co., National Stock Yards, Ill., was canceled July 10, 1916.

License No. 82, issued to the Axtell Serum Co., Omaha, Nebr., was canceled July 31, 1916.

VIOLATIONS OF LAWS.

Fines and other penalties were imposed in prosecutions for violations of regulatory laws as reported to the Bureau of Animal Industry during the month of July, 1916, as follows:

MEAT-INSPECTION LAW.

George A. Hammond, Bristol, Wis., \$10.

Archibald Darrah, Hartsville, Pa., \$75.

Nagle Packing Co., Jersey City, N. J., \$25.

TWENTY-EIGHT HOUR LAW.

Wabash Railroad Co. (2 cases), \$200 and costs.

St. Louis Merchants Bridge Terminal Railway Co. (4 cases), \$400 and costs.

Chicago, St. Paul, Minneapolis & Omaha Railway Co., \$100 and costs.

Baltimore & Ohio Railroad Co. (2 cases), \$100 and costs.

Kansas City Southern Railway Co. (2 cases), \$100 and \$24.82 costs.

Chicago, Rock Island & Pacific Railway Co. (14 cases), \$1,900 and \$17.95 costs.

Great Northern Railway Co., \$100 and costs.

Chicago, Milwaukee & St. Paul Railway Co. (5 cases), \$500 and costs.

Southern Railway Co. (2 cases), \$200 and costs.

St. Louis Southwestern Railway Co., \$100 and \$76.36 costs.

Texas & Pacific Railway Co., \$100 and \$7.90 costs.

Pennsylvania Railroad Co. (2 cases), \$200 and costs.

Chicago & North Western Railway Co. (29 cases), \$3,200.

Chicago, Burlington & Quincy Railroad Co. (42 cases), \$5,150.

Chicago, Indianapolis & Louisville Railway Co. (3 cases), \$450.

Receivers of Pere Marquette Railroad Co. (2 cases), \$350.

Chicago Great Western Railway Co., \$100.

Receivers of St. Louis & San Francisco Railroad Co., \$100 and \$17.90 costs.

Atchison, Topeka & Santa Fe Railway Co. (2 cases), \$200 and \$38.15 costs.

QUARANTINE LAW.

St. Louis, Iron Mountain & Southern Railway Co., interstate movement of animals in violation of the Texas-fever quarantine regulations, \$100 and costs.

Missouri, Kansas & Texas Railway Co. (3 cases), interstate movement of animals in violation of the Texas-fever quarantine regulations, \$500 and \$60.60 costs.

Kansas City Southern Railway Co., interstate movement of animals in violation of the Texas-fever quarantine regulations, \$100 and \$19.65 costs.

Southern Railway Co. (2 cases), interstate movement of animals in violation of the Texas-fever quarantine regulations, \$200 and \$16.35 costs.

Illinois Central Railroad Co. (3 cases), interstate movement of animals in violation of the Texas-fever quarantine regulations, \$300 and costs.

Georgia Southern & Florida Railway Co. (2 cases), interstate movement of animals in violation of the Texas-fever quarantine regulations, \$200.

Chicago, Rock Island & Pacific Railway Co., interstate movement of animals in violation of the Texas-fever quarantine regulations, \$100 and \$19.60 costs.

J. H. Hicks, interstate movement of animals in violation of the Texas-fever quarantine regulations, \$100.

MISCELLANEOUS.

E. C. Andrews, assault on inspector engaged in tick-eradication work, \$100.

New York Butchers Calf Skin Association, interstate shipment of hides in violation of foot-and-mouth quarantine regulations, \$25.

APPROVED DISINFECTING SOLUTIONS.

In accordance with the provisions of B. A. I. Order 245, the bureau has granted permission for the use of the following saponified cresol solutions as substitutes for cresol compound U. S. P. in the general disinfection of cars, yards, and other premises:

"*Cooper's Saponified Cresol Solution*," manufactured by William Cooper & Nephews, Chicago, Ill.

"*Cre-septic*," manufactured by the Theo. B. Robertson Products Co., Chicago, Ill.

"*Crestall Dip*," manufactured by Baird & McGuire, Boston, Mass.

"*Karspray*," manufactured by the West Disinfecting Co., New York, N. Y.

"*Lioresolis*," manufactured by the West Disinfecting Co., New York, N. Y.

"*Midland Cresol Compound*," manufactured by the Midland Chemical Co., Dubuque, Iowa.

"*Pennsylvania Railroad Saponified Cresol Solution*," manufactured by the Pennsylvania Railroad Co., Altoona, Pa.

"*Sapo-Cresol*," manufactured by the Cremoline Disinfecting Co., St. Louis, Mo.

"*Van Schaack's Liquor Cresolis Comp.*," manufactured by Peter Van Schaack & Sons, Chicago, Ill.

INSPECTION AND TESTING OF ANIMALS FOR CANADA.

The following changes have been made in the list of practicing veterinarians registered by the bureau and authorized to inspect and test with mallein horses, mules, and asses intended for export to Canada:

Name Added to List.

Dr. N. T. Gunn, Butte, Mont.

Change in Address.

Dr. Frederick S. Gray, box 817, Great Falls, Mont., to Miles City, Mont.

PUBLICATIONS IN JULY.

[The bureau keeps no mailing list for sending publications to individual employees, but publications are sent in bulk to inspectors in charge for distribution to members of their forces. The number of copies varies with the subject or nature of the publication and the number and class of employees. For example, in the case of a publication on a veterinary subject, sufficient copies are sent for the veterinarians. Inspectors in charge will use their judgment and distribute publications to best advantage. Additional copies will be furnished on request so far as possible.]

Farmers' Bulletin 743. The Feeding of Dairy Cows. By Helmer Rabild, H. P. Davis, and W. K. Brainerd, of the Dairy Division. p. 23.

Farmers' Bulletin 748. A Simple Steam Sterilizer for Farm Dairy Utensils. By S. Henry Ayers, bacteriologist, and George B. Taylor, market milk specialist, Dairy Division. p. 11, figs. 8.

Effects of Autolysis Upon Muscle Creatin. By Ralph Hoagland, senior bichemist, and C. N. McBryde, senior bacteriologist, Biochemic Division. Pp. 535-547. (Reprint from Journal of Agricultural Research, July 3, 1916.)

Yearbook Separate 666. Animal Disease and Our Food Supply. By Edward B. Mitchell. (Prepared under the direction of the Chief of the Bureau of Animal Industry.) Pp. 159-172.

Yearbook Separate 667. The Boys' Pig Club Work. By W. F. Ward, senior animal husbandman, Animal Husbandry Division. Pp. 173-188, pls. 6.

Yearbook Separate 669. The Poultry Club Work in the South. By Rob R. Slocum, scientific assistant in poultry investigations, Animal Husbandry Division. Pp. 195-200, pls. 3.

Yearbook Separate 673. Karakul Sheep. By F. R. Marshall, L. L. Heller, and V. O. McWhorter, Animal Husbandry Division. Pp. 249-262, pls. 12.

Yearbook Separate 676. Economic Importance of the Federal Inspection of Meats. By George Ditewig, Meat Inspection Division. Pp. 273-280.

Amendment 1 to B. A. I. Order 92. Special Order Prohibiting the Landing of Animals from the Philippine Islands at any of the Ports of the United States or of the Dependencies Thereof. (Authorizes the admission of monkeys from the Philippine Islands under certain conditions.)

B. A. I. Order 247. Revoking Rule 10. To Prevent the Spread of Tuberculosis in Cattle. (Releases from quarantine the counties of Lake, McHenry, Kane, Dupage, and Cook, in the State of Illinois.)

Instructions Concerning the Work of the Field Inspection Division. p. 28. (For use of employees only.)

ORGANIZATION OF THE BUREAU OF ANIMAL INDUSTRY.

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Editor: JAMES M. PICKENS.

Office of Accounts: E. J. NEWMYER, in charge.

Appointment Section: IRVING W. PEW, in charge.





